Minilog II-T Temperature Data Logger

Rugged, waterproof, fully submersible, 10-year temperature data logger used in a variety of studies

Data Loggers

The Minilog-II-T fully submersible, 10-year temperature data logger measures and stores temperature at specified sampling intervals. Designed for monitoring in the harsh conditions of a deep marine environment (up to 500 metres), the Minilog-II-T is used in any application where temperature readings are desired. The Minilog-II-T data logger is manufactured to withstand both fresh and saltwater environments. Applications include:

- Monitoring temperatures in alpine lakes
- Small stream management programs
- Measuring temperature changes in lakes and ocean areas to determine the impact on local marine life
- Soil temperature measurements and monitoring
- Aquaculture site observation
- Waste water temperature monitoring
- Long line thermistor chains with multiple data loggers
- Food, drug and medical supply transportation monitor

Used with the Autonomous VEMCO Field Reader

Offload data in the field without a laptop using the autonomous VEMCO Field Reader, a rugged, water resistant handheld Reader. A fast optical communication interface with the Reader allows typical study samples of ~10,000 to offload in 7 seconds. The Reader also indicates if your data logger battery or memory is low.

Specifications			
Temp Range:	-30°C to +80°C	**Battery Life:**	10 years at typical sampling rates (1 sample per 2 mins)
Temp Accuracy:	Specified: +/- 0.1°C from -5°C to 35°C	**Submersible:**	Up to 500m
Resolution:	0.01°C	**Storage:**	1-million samples per deployment
Weight in Air:	52.2 g	**Sample Rates:**	1 sample per second to 1 sample per day
Weight in Water:	11.5 g	**Start Time:**	Delayed or immediate study start date selectable
Physical:	Length: 9.8 cm Diameter: 2.3 cm Weight: 52.2 g	**Thermal Time Constant:**	63% at ~2min 30 sec, and 90% at less than 5 min, both in stirred bath
Clock Stability:	+/-1 minute per month		

Receivers | Transmitters | Accessories | Data Loggers

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